

## Electrical Circuit

1. Current- voltage drop- resistance
2. OHM's law
3. Efficiency
4. Parall element
5. Series elements
6. Voltage divider rule
7. Current divider rule
8. MKS unit
9. A and Y
10. Source conversions a)current source b)voltage source
11. Open and short circuit
12. Independent sources
13. Kirchoff's current law [KCL]
14. Kirchoff's voltage law [KVL]
15. Nodel analysis. [General approach]
16. Nodel analysis. [Format approach]
17. MESH Analysis . [General approach]
18. Branch-current
19. Superposition
20. Thevenins's theorem
21. Bridge Network
22. Maximum power transfer theorem
23. AC circuit
24. AC circuit Network theorem
25. R.L.C. circuit a)parrall circuit b)series circuit
26. Voltage divider
27. Current divider
28. Resonance circuit a)parrall b)series
29. Fillters a)low pass b)high pass
30. Diodes a)clipping b)clamping